L1 ANSWER 33 OF 72 CA COPYRIGHT 2004 ACS on STN
AN 103:92043 CA
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TI Heat-resistant expansive sheets
PA Toyota Motor Co., Ltd., Japan; Ibiden Co., Ltd.
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM C04B030-02
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CC 57-9 (Ceramics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 60071564	A2	19850423	JP 1983-179402	19830929
	JP 04028665	B4	19920514		
PRAI	JP 1983-179402		19830929		

AB The heat-resistant expansive sheets consist of unfired **unexpanded vermiculite** 40-80, floc-like inorg. fibers 10-50, and natural org. fibers 2-20 wt.%. Thus, **unexpanded vermiculite** 210 and Al2O3-SiO2 ceramic fibers 105 g were mixed with 30 L water and 200 mL aq. 0.1% coagulant soln., stirred with 10 L of an aq. soln. contg. 30 g kraft pulp, shaped and pressed to give a sheet (45 .times. 20 .times. 0.5 mm) having d. 0.6 g/cm3 when it was heated from room temp. to 700.degree., the expansion was 310%.
ST vermiculite ceramic fiber expansive sheet; kraft pulp vermiculite expansive sheet
IT Ceramic materials and wares
(fiber, alumina-silica, expansive sheets from vermiculite and pulp and)
IT Pulp, cellulose
(kraft, sheets from ceramic fibers and ve